

GP-302888

METHOD AND APPARATUS FOR EXHAUST SOUND
ATTENUATION ON ENGINES WITH CYLINDER DEACTIVATION

ABSTRACT OF THE DISCLOSURE

A system for attenuating exhaust noise from an engine with a first group of active cylinders and a second group of deactivatable cylinders includes a first exhaust manifold connected to the first group of active
5 cylinders and a second exhaust manifold connected to the second group of deactivatable cylinders. The second exhaust manifold is connected to the first exhaust manifold such that the second exhaust manifold acts as a resonator to attenuate sound from the first group of active cylinders when the second group of cylinders is deactivated.